EV Infrastructure Funding and the Ohio VW Plan

VW Mitigation Trust Fund

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Today

• VW Program Overview

• What’s been done so far (Lessons Learned)

• What’s ongoing and upcoming
In 2016, the United States and California sued Volkswagen and associated companies, alleging that VW installed **defeat devices** on certain vehicles (model years 2009-2016).

The devices activated during emissions testing to make vehicles appear compliant with the law, when in fact, during on-road operation, the vehicles emitted **nine to 40 times the allowable amount of nitrogen oxides (NOx)**, a harmful air pollutant.
$14 Billion VW Settlement

- Overseen by The Wilmington Trust
- $10 billion compensation to VW diesel vehicle owners (buyback, repair)
- $2 billion to promote ZEV adoption via Electrify America, LLC
- $2.7 billion to remediate environmental effects of excess NOx emissions across all 50 states, D.C., Puerto Rico and Tribes
- Ohio’s share is $75 million
- 26 eligible counties
Diesel Mitigation Trust Fund
Ohio Priority Counties

Beneficiary Mitigation Plan

In re: Volkswagen “Clean Diesel” Marketing, Sales Practices, and Products Liability Litigation, MDL No. 2672
CRB (JSC)
Office of Environmental Education
May 31, 2018
Ohio VW Allocations

Fleet Vehicles: $45M
EV Charging: $11.25M
Admin: $5M
TBD: $13.75M
Fleet Vehicles vs EV Charging

- Fleet Vehicles: Vehicles yes, infrastructure no
- EV Charging: Infrastructure yes, vehicles no

- Fleet Vehicles: School Bus, DERG, DERA, AFV
- EV Charging: Never done before

- Fleet Vehicles: Cost-effective $/ton of NOx
- EV Charging: Supporting EV adoption
Fleet Vehicles: RFA 1 (2018)

• $15 million made available
  – $5 million for school buses
  – $5 million for transit buses
  – $5 million other (trucks, airport GSE, Tugs)
• Received 113 applications for $45 million
Fleet Vehicles: RFA 1 (2018)

• Awarded $15 million
• EV Highlights
  – Airport GSE (United Airlines $1.9M/Kent State University $50K)
  – COTA ($1M for 5 all electric buses)
• Lessons Learned
  – Publics ranked lower (25% vs 75% match)
  – Better defer/do somethings ourselves (CARB, Salvage)
  – Large private fleets (post-award issues)
Fleet Vehicles: RFA 2 (2019)

• Closed Friday, August 2, 2019
• $15 million made available
  – $5 million for school buses
  – $5 million for transit buses
  – $5 million other (trucks, airport GSE, Tugs)
• Received 50 applications for $15.5 million
  – Open grant holders not eligible
EV Charging so far …

• 26 County Outreach (Dec 2018 – Feb 2019)

• DAS Invitation to Bid (ITB) for Multiple Award Contract (MAC) (Opening September 18, 2019, at 1PM)
  – All vendors submit pricing, credentials
  – Any public entity can use the contract

• Listen, Learn & Coordinate (ongoing)
  – Each state that issues EV RFP
  – Region 5 States & MCDI
  – NASEO/NACAA and AAPCA
  – Electrify America, AEP, DP&L and MPOs
Ohio VW EV Timeline

• DAS Invitation to Bid (ITB) for Multiple Award Contract (MAC) (August 2019)

• EV RFP 1: Level 2? (Fall 2019)

• EV RFP 2: Regional DCFC? (Spring 2020)
EV Charging: Some Big Questions (for us)

1. How to split funding between DCFC and Level 2?
2. Level 2: Grants vs. Rebates
3. Level 2 (First Round): How to help all counties
4. DCFC: Current Demand (50KW) vs Future Proofing (150KW)
5. DCFC & Level 2: Rate cap or not?
EV Charging: What else is happening

1. DP&L EV Collaborative: $1M
2. Proposed Midwest EV Corridor MOU (GPI/MN)
3. I-80 Illinois Argonne EV Study Proposal
4. I-70 – Columbus - ?? EV Study Proposal
   (Due to FHWA Sept 9)
Thanks!